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DIALOG(R) File 351:Derwent WPI
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WPI Acc No: 1990-317325/199042

XRAM Acc No: C90-137320

New human serum albumin fragments - used to bond to medicines and for stable folding of protein(s)

Patent Assignee: TONEN CORP (TOFU)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2227079	A	19900910	JP 89217540	A	19890825	199042 B

Priority Applications (No Type Date): JP 88250926 A 19881006; JP 89217540 A 19890825

Abstract (Basic): JP 2227079 A

Human serum albumin protein fragment (A) comprising a centre part of human serum albumin, human serum albumin fragment (B) lacking in the C-terminal portion of human serum albumin, and human serum albumin fragment (C) lacking in the n-terminal portion of human serum albumin are new.

(A) pref. has an amino acid sequence of 123-methionine to 303-proline of human serum albumin. (B) has an amino acid sequence of l-aspartic acid to 303-proline; and (C) has an amino acid sequence of 123-methione to 585-leucine. (A), (B) or (C) may be fused with a signal peptide of E. coli alkaline phosphatase to give a fused protein. A plasmid contg. a DNA sequence to code the fused protein is introduced into a host for transformation, and the transformant host is incubated to express the corresp. human serum albumin protein fragment or fused protein.

USE/ADVANTAGE - C-terminal lacking fragment (B) does not bond to long-chain fatty acids but bonds to medicines at the remaining centre part. N-terminal lacking fragment (C) is used for stable folding of proteins. Centre part fragment (A) has both characteristics of (B) and (C). (24pp Dwg.No.0/0)

Title Terms: NEW; HUMAN; SERUM; ALBUMIN; FRAGMENT; BOND; MEDICINE;
STABILISED; FOLD; PROTEIN

Derwent Class: B04; D16

International Patent Class (Additional): A61K-037/04; C07K-013/00;
C07K-015/06; C12N-001/21; C12N-015/14; C12P-021/02

File Segment: CPI